



# भारत का राजपत्र The Gazette of India

साप्ताहिक/WEEKLY

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

सं० 40] नई दिल्ली, शनिवार, अक्टूबर 4—अक्टूबर 10, 2003 (आश्विन 12, 1925)  
No. 40] NEW DELHI, SATURDAY, OCTOBER 4—OCTOBER 10, 2003 (ASVINA 12, 1925)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

[पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]

[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS

Kolkata, the 4th October 2003

#### ADDRESSES AND JURISDICTION OF THE OFFICES OF THE PATENTS OFFICE

The Patent Office has its Head Office at Kolkata and Branch Offices at Mumbai, Delhi and Chennai having Territorial Jurisdiction on a Zonal basis as shown below:—

1. Patent Office Branch,  
Todi Estates, IIIrd Floor,  
Sun Mill Compound,  
Lower Parel (West),  
MUMBAI-400 013.

The States of Gujarat,  
Maharashtra, Madhya Pradesh  
and Goa and the Union  
Territories of Daman and  
Diu & Dadra and Nagar Haveli.

Telegraphic Address "PATOFFICE"  
Phone Nos. (022) 2492 4058, 2496 1370, 2490 3684,  
2490 3852  
Fax No. (022) 2495 0622, 2490 3852  
E-Mail: patmum@vsnl.net

2. Patent Office Branch,  
W-5, West Patel Nagar,  
New Delhi-110 008.

The States of Haryana,  
Himachal Pradesh,  
Jammu and Kashmir,  
Panjab, Rajasthan,  
Uttar Pradesh and Delhi and the  
Union Territory of Chandigarh.

Telegraphic Address "PATENTOFFIC"  
Phone Nos. (011) 2587 1255, 2587 1256,  
2587 1257, 2587 1258.  
Fax No. (011) 2587 1256.  
E-Mail: delhipatent@vsnl.net

3. Patent Office Branch,  
Guna Complex, 6th Floor, Annex-II,  
443, Annasalai, Teynampet,  
Chennai-600 018.

The States of Andhra Pradesh,  
Karnataka, Kerala, Tamilnadu and  
Pondicherry and the Union  
Territories of Laccadive, Minicoy and  
Aminidivi Islands.

Telegraphic Address "PATENTOFFIC"  
Phone Nos. (044) 2431 4324/4325/4326.  
Fax No. (044) 2431 4750/4751.  
E-Mail: patentchennai@vsnl.net

4. Patent Office (Head Office),  
Nizam Palace, 2nd M.S.O. Building,  
5th, 6th & 7th Floor,  
234/4, Acharya Jagadish Bose Road,  
Kolkata-700 020.

Rest of India.

Telegraphic Address "PATENTS"  
Phone Nos. (033) 2247 4401/4402/4403.

Fax Nos. (033) 2247 3851, 2240 1353.  
E-Mail: patentin@vsnl.com.  
patindia@giasclo1.vsnl.net.in  
Website : http://ipindia.nic.in

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 and the Patents (Amendment) Act, 2002 or by the Patents Rules, 2003 will be received only at the appropriate offices of the Patent Office.

Fees : The fees may either be paid in cash or may be sent by Bank Draft or Cheques payable to the Controller of Patents drawn on a scheduled Bank at the place where the appropriate office is situated.

### पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कोलकाता, दिनांक 4 अक्टूबर 2003

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:--

1. पेटेंट कार्यालय शाखा,  
टोडी इस्टेट, तीसरा तल,  
सन मिल कम्पाउंड,  
लोअर परेल (वेस्ट),  
मुम्बई - 400 013।

गुजरात, महाराष्ट्र, मध्य प्रदेश तथा  
गोआ राज्य क्षेत्र एवं  
संघ शासित क्षेत्र, दमन तथा दीव एवं  
दादर और नगर हवेली।

तार पता : "पेटेफिस"

फोन : (022) 2492 4058, 2496 1370, 2490 3684, 2490 3852

फैक्स : (022) 2495 0622, 2490 3852

ई.मेल : patmun@vsnl.net

2. पेटेंट कार्यालय शाखा,  
डब्ल्यू-5, वेस्ट पटेल नगर,  
नई दिल्ली - 110 008।

हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश तथा दिल्ली राज्य  
क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता : "पेटेंटोफिक"

फोन : (011) 2587 1255, 2587 1256, 2587 1257,

2587 1258,

फैक्स : (011) 2587 1256.

ई.मेल : delhipatent@vsnl.net

3. पेटेंट कार्यालय शाखा,  
गुणा कम्प्लेक्स, छठा तल, एनेक्स-II,  
443, अन्नासलाई, तेनामपेट,  
चेन्नई - 600 018।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु  
तथा पाण्डिचेरी राज्य क्षेत्र एवं संघ  
शासित क्षेत्र लक्षद्वीप, मिनीकाय तथा एमिनिदिव द्वीप।  
तार पता - "पेटेंटोफिक"

फोन : (044) 2431 4324/4325/4326.

फैक्स : (044) 2431 4750/4751.

ई.मेल : patentchennai@vsnl.net

4. पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय  
भवन, 5वां, 6वां व 7वां तल,  
234/4, आचार्य जगदीश बोस मार्ग,  
कोलकाता - 700 020।

भारत का अवशेष क्षेत्र।

तार पता - "पेटेंट्स"

फोन : (033) 2247 4401/4402/4403.

फैक्स : (033) 2247 3851, 2240 1353.

ई.मेल : patentin@vsnl.com

patindia@giasclo1.vsnl.net.in

वेब साइट : http://ipindia.nic.in

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2002  
अथवा पेटेंट नियम, 2003 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण  
या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित  
कार्यालय में ही ग्रहण किए जाएंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा  
जहां उपयुक्त कार्यालय अवस्थित हैं, उस स्थान के अनुसूचित बैंक से  
नियंत्रक, पेटेंट को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा  
सकती है।

**अभिगृहित पूर्ण विनिर्देश**

एतद्वारा सूचना दी जाती है कि आवेदनों में किसी पर पेटेंट अनुदान का विरोध करने वाले इच्छुक व्यक्ति राजपत्र के इस निर्गमन की तिथि से चार महीने के भीतर या उक्त चार महीने की समाप्ति के पूर्व, प्ररूप 4 में यदि आवेदित किया हुआ हो, तो परवर्ती एक महीने के भीतर, किसी समय, नियंत्रक, पेटेंट को ऐसे विरोध की सूचना प्ररूप 7 में उपयुक्त कार्यालय में दे सकते हैं। विरोध का लिखित कथन, साक्ष्य के साथ, यदि कोई हो, दो प्रतियों में उक्त सूचना के साथ या अगले दो महीने की अवधि के भीतर दाखिल किया जाए। इस संदर्भ में, यथासंशोधित पेटेंट अधिनियम, 1970 की धारा 25 एवं पेटेंट नियम, 2003 के नियम 55 से 57 का अवलोकन किया जा सकता है।

उपयुक्त कार्यालय द्वारा विनिर्देश एवं चित्र आरेख, यदि हो, के छायाप्रति की आपूर्ति छायाप्रति शुल्क के रूप में प्रति पृष्ठ रु. 4/- की अदायगी पर की जा सकती है।

**COMPLETE SPECIFICATION ACCEPTED**

Notice is hereby given that any person interested in opposing the grant of a Patent on any of the Applications, may, at any time within four months from the date of this issue of Gazette or within further period of one month if applied for in Form 4 before the expiry of the said period of four months, give notice to the Controller of Patents at the Appropriate Office on Form 7 of such opposition. The Written Statement of Opposition accompanied by evidence, if any, should be filed in duplicate alongwith the said notice or within further period of two months. Section 25 of The Patents Act, 1970 as amended and Rules 55 to 57 of The Patents Rules, 2003 may be referred to in this regard.

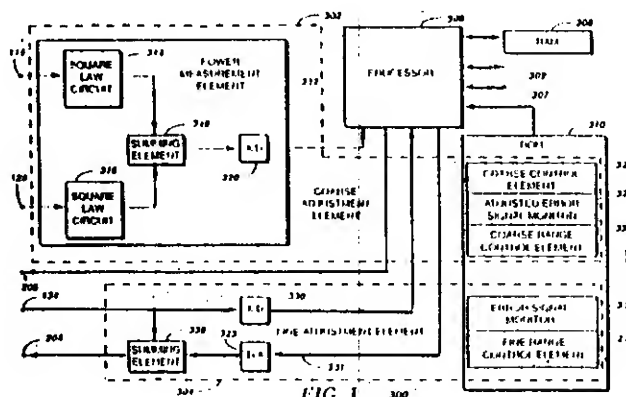
Photo copies of the specification and drawings, if any, can be supplied by the Appropriate Office on payment of photocopying charges @ Rs. 4/- per page.

Indian Classification	:-	206 E	191171
International Classification <sup>4</sup>	:-	H 04B 7/185	
Title	:-	"A SATELLITE RECEIVER APPARATUS"	
Applicant	:-	Motorola, Inc, of 1303 East Algonquin Road, Schaumburg, Illinois 60196, United States of America.	
Inventors	:-	KAZIMIERZ SIWIAK - U.S. LORENZO PONCE DE LEON - U.S.	
Application for Patent Number	52/del/1995	filed on	16/01/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 ) Patent Office ,  
New Delhi Branch - 110 008.

( Claims 6 )

A satellite receiver apparatus that provides acquisition and frequency tracking of a Doppler-shifted radio signal received from an orbiting satellite, said satellite receiver apparatus comprising: -a Costas phase-lock loop (100) that receives the radio signal and provides an error signal at an error signal output for controlling a conversion frequency generated by a voltage controlled oscillator (200) said voltage controlled oscillator (200) coupled to said Costas phase-lock loop (100), wherein said voltage controlled oscillator (200) generates the conversion frequency for down-converting the radio signal in said Costas phase-lock loop (100), and wherein said voltage controlled oscillator (200) comprises a programmable frequency synthesizer (203), and -a Doppler frequency acquisition and tracking element (300) coupled to said voltage controlled oscillator 200, and for adjusting the conversion frequency to compensate for a Doppler frequency shift occurring in the radio signal due to orbital motion of said orbiting satellite, said Doppler frequency acquisition and tracking element (300) comprises: a coarse adjustment element (302) coupled to said programmable frequency synthesizer (203) for selecting a suitable one of the plurality of frequencies to provide a coarse adjustment of the conversion frequency to compensate for the Doppler frequency shift; and -a fine adjustment element (304) coupled to said error signal output for generating a fine adjustment signal at an adjusted error signal output for providing a fine adjustment of the conversion frequency to compensate for the Doppler frequency shift.



Complete Specification No of Pages  
Drawings Sheets 6

18

Indian Classification	:-	206 E	191172
International Classification <sup>4</sup>	:-	G 06F 15/56	
Title	:-	"AN APPARATUS FOR COMMUNICATING INFORMATION"	
Applicant	:-	Intel Corporation, of 2200 Mission College Boulevard, Santa Clara, California 95052, United States of America.	
Inventors	:-	NITIN SARANGDHAR - INDIAN SAMUEL EARNEST CALVIN - US.	

Application for Patent Number 106/del/1995 filed on 25/01/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 ) Patent Office ,  
New Delhi Branch – 110 008.

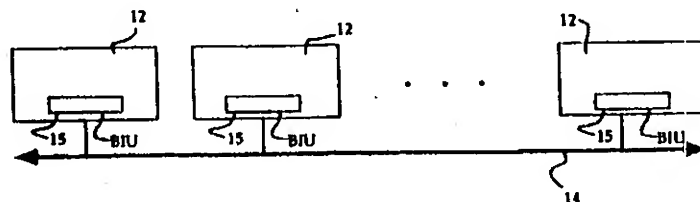
( Claims 5 )

An apparatus for communicating information on a multiple-driver wired-OR signal line of a signal transmission bus means, said apparatus having a means for transmitting signals and observing signals, comprising:

means for observing a commonly observable event on said bus;

means for selectively asserting a high-to-low signal voltage transition onto said multiple-driver signal line, and

means for asserting a low -to-high signal voltage transition onto said multiple-driver signal line.



Complete Specification	No of Pages	36
Drawings Sheets	9	

10

FIG. 1

Indian Classification :- 206 E 191173

International Classification<sup>4</sup> :- H 04B 1/38

Title :- "A COMMUNICATION APPARATUS"

Applicant :- Motorola, Inc., of 1303 East Algonquin Road, Schaumburg, Illinois 60196, United States of America.

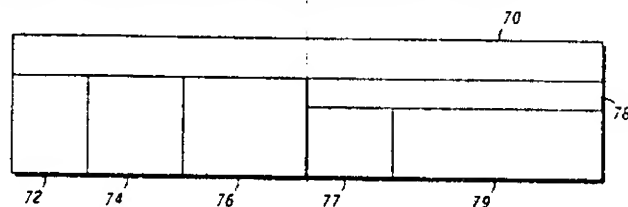
Inventors :- MOE RAHNEMA - US.

Application for Patent Number 111/del/1995 filed on 27/01/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 ) Patent Office , New Delhi Branch - 110 008.

( Claims 6 )

A communication apparatus 10 for routing the data packets 70 over minimum hop routes resulting in a distributed usage of communication links, said minimum hop routes comprising plurality of said communication links to send said data packet between a source node and a destination node, said apparatus comprising: a) a plurality of satellite nodes 12 movable with respect to each other, wherein said nodes 12 are connectable to said communication links 21, 23; b) multi-channel transceivers 83 connectable to each node 12 of said plurality of satellite nodes 12 for sending said data packets 70 over said communication links 21, 23 using said minimum hop routes; c) a processor 84 connected to each of said multi-channel transceivers 83; and d) a control facility means 65 connectable to said plurality of satellite nodes 12.



Complete Specification

No of Pages

37

Drawings Sheets

7

**FIG. 2**

Indian Classification	:	84 B	191174
4			
International Classification	:	C 10 L 1/04	
Title	:	"A FUEL BLEND"	
Applicant	:	INDIAN INSTITUTE OF TECHNOLOGY, an Indian Institute of Hauz Khas, New Delhi – 16, India.	
Inventors	:	HARBANSH BAHADUR MATHUR – INDIAN.	

Application for Patent Number 310/DEL/95 filed on 24.2.95.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 ) Patent Office  
Branch, New Delhi – 110 008.

(5 Claims)

A fuel blend comprising 10 to 20% of ethanol, additives selected from 0.05% to 0.5% of a  
denaturant agent and at least 0.1% of a stabilizer, the remainder being petrol.

(Complete Specification Pages – 7    Drawing sheets – NIL)

Indian Classification	-	99 F	191175
International Classification <sup>4</sup>	-	B 65D 1/00	
Title	-	"A CONTAINER AND A CLOSURE"	
Applicant	-	Innovative Design Company Pty. Ltd., of 162 C Queen Street, Woollahra, New South Wales, 2025, Australia.	
Inventors	-	DAVID ALEXANDER ZICHY WOINARSKI - AUSTRALIAN.	

Application for Patent Number 843/del/1995 filed on 09/05/1995

Convention Date 17/05/1994; PM 5691; AU.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 ) Patent Office, New Delhi Branch - 110 008.

( Claims 7 )

A container (10) and a closure (11) therefore, both the container and the closure being formed from a resilient plastics material; - the container (10) comprising a generally circular base (13), a rim (20) which surrounds a circular opening to the container, a circumferential wall (16) which extends upwardly from the base to the rim, the rim including an outwardly projecting bead (21) which surrounds the wall; and a flange (22) formed integrally with the wall and surrounding the wall at a level below that of the bead; - the closure (11) comprising an inverted channel (27) which contacts the rim (20) in sealing engagement when the closure is fitted to the container, the channel being defined by an inner circumferential wall (28), an outer circumferential wall (29) and a bridging wall (30) which overlies the rim of the container, the outer circumferential wall being formed with an inwardly directed ledge (35) which is shaped and positioned to locate under the bead (21) of the container rim (20) and to hold the closure captive to the container; characterised in that: - the outer circumferential wall (29) is formed with a skirt (36) which extends downwardly and outwardly from the ledge (35), with a circumferentially extending tear strip (12) extending downwardly from and removably connected to the skirt, the tear strip having a lower edge (38) which overlaps and locates in a peripherally extending recess (39) in the container flange (22) when the closure is fitted to the container.

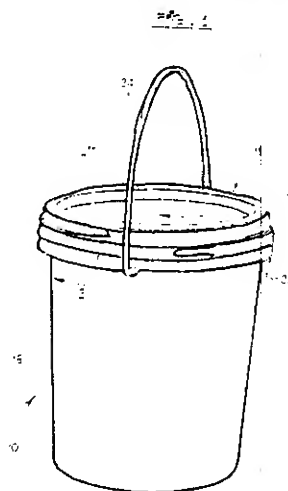
Complete Specification

No of Pages

10

Drawings Sheets

3





Indian Classification :- 206 E 191176

International Classification<sup>4</sup> :- H 04L 13/00, 13/08

Title :- "An Acknowledge-Back Selective Call Communication Apparatus"

Applicant :- Motorola, Inc., 1303 East Algonquin Road, Schaumburg, Illinois 60196, United States of America.

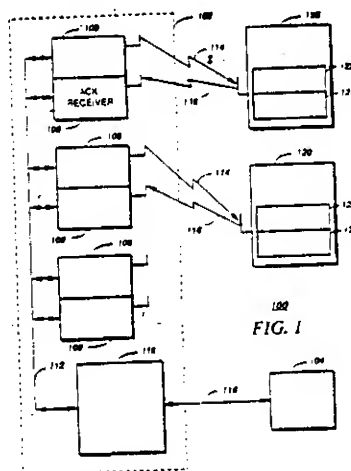
Inventors :- STEPHEN JEFFREY GOLDBERG - U.S.A.

Application for Patent Number 881/del/1995 filed on 15/05/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 ) Patent Office , New Delhi Branch - 110 008.

( Claims 4 )

An acknowledge-back selective call communication apparatus (100) that performs remote memory management, comprising: an infrastructure means (102) that transmits a plurality of messages having a length that is variable; and a selective call receiver means (120) connected to the said infrastructure means, wherein the said infrastructure means comprises: a controller (110) comprising an input element (208) connected to the source for receiving the pending message; and a message transmitter (106) connected to the said controller, and wherein the said selective call receiver means (120) comprises: a message receiver (122) connected to the message transmitter; a memory means (322) connected to the message receiver; a processor (308) connected to the said memory means; a selective call address element (328) connected to the said processor; and an acknowledge transmitter (124) connected to the said processor, and an acknowledge receiver (108) coupled to the said acknowledge transmitter, and wherein the said controller comprises a comparator element (222) coupled to the said acknowledge receiver.



Complete Specification

No of  
Pages

23

Drawings  
Sheets

8

Indian Classification	:	6I F.	191177
International Classification <sup>4</sup>	:	C 11 D-017/00; 510/444	
Title	:	<b>"PROCESS FOR THE MANUFACTURE OF FREE-FLOWING DETERGENT GRANULES".</b>	
Applicant	:	THE PROCTER & GAMBLE COMPANY, a corporation organized and existing under the laws of the State of Ohio, United States of America, of one Procter & Gamble Plaza, Cincinnati, Ohio 45202, U.S.A.	
Inventors	:	<b>ACHILLE JULES EDMOND-BELGIUM LUC GOOVAERTS-BELGIUM JOSE LUIS VEGA-SPAIN</b>	

Application for Patent Number 722/DEL/95 filed on 20/04/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 )  
Patent Office Delhi Branch, New Delhi – 110 008.

(11 Claims)

A process for the manufacture of a granular product useful for forming free flowing detergent granules having a density of at least 600 g/l, comprising the step of:

- a) neutralizing anionic surfactant acid or acids such as herein described in an excess of alkali to form a paste in a conventional manner (and optionally mixing other surfactants such as hereinbefore described and other conventional detergent components with the paste such as hereinbefore described) to give a total surfactant level in the paste of at least 40% by weight;
- b) mixing said paste with one or more powders to form a granular product, wherein at least one of said powders is spray dried and comprises from 10 to 90% by weight of anionic polymer and from 10 to 90% by weight of cationic surfactant; and
- c) optionally drying the granular product.

Indian Classification	80 K	191178
International Classification <sup>4</sup>	C 02 F 01/48	
Title	" AN INTEGRATED FILTRATION AND STERILIZATION CARTIRIDGE "	
Applicant	ACCESS BUSINESS GROUP INTERNATIONAL LLC, of 7575 Fulton Street East, Ada, Michingan 49355, U S.A.	
Inventors	AMOS KORIN - U.S.A	

Application for Patent Number 1777/del/1995 filed on 28/09/1995

Convention Application No. - 08/406,338/U.S.A./15.03.1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 ) Patent Office ; New Delhi Branch - 110 008.

( Claims 06 )

An integrated filtration and sterilization cartridge (15,81) comprising:- a first end plate (17,83,153) and a second end plate (19,85,111); an ultraviolet lamp (21,87) affixed to said first end plate (17,83,153); and - a filtration member (27,91) disposed between said first and second end plates, said filtration member (27,91) being affixed to both said first and second end plates and disposed about said ultraviolet lamp (21,87), thereby forming a permeate chamber (29,93) between said ultraviolet lamp and the inner surface (31, 95) of said filtration member (27,91).

Complete Specification

No of Pages 15 Drawings Sheets 12

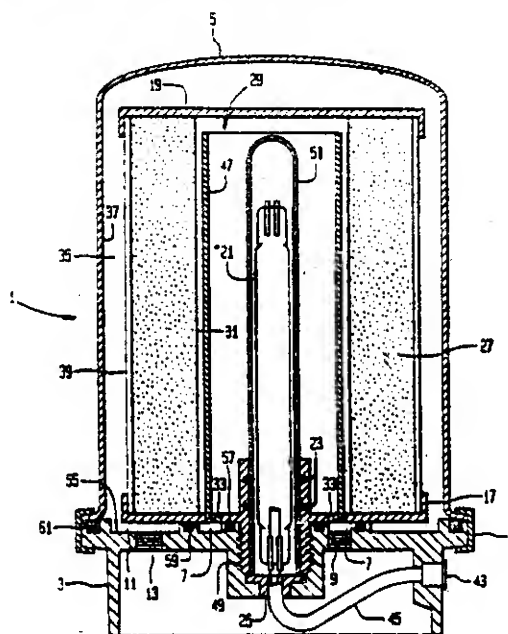


FIG. 2

Indian Classification	-	85R	191179
International Classification <sup>4</sup>	-	F 27B 1/16	
Title	-	"An Annular Tuyere for Blowing Inert Gases Into Basic Oxygen Furnaces"	
Applicant	-	Steel Authority of India Ltd., Research & Development Centre for Iron & Steel, A Govt. of India Enterprises, having its registered office at Ispat Bhawan, Lodi Road, New Delhi - 110 003.	
Inventors	-	PRADIPTA CHANDRA MAHAPATRA - INDIAN RACHESHYAM SAU - INDIAN KRISHNA PARTHASARTHY JAGANNATHAN - INDIAN YOGENDRA PRASAD SINGH - INDIAN ASIT KUMAR MUKHERJEE - INDIAN SANJAY VERMA - INDIAN.	
Application for Patent Number	1982/del/1995	filed on	30/10/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office  
New Delhi Branch - 110 008.

( Claims 3 )

An annular tuyere for blowing inert gases into basic oxygen furnaces, characterised in that the said tuyere comprises two concentric seamless stainless steel tubes (1, 2) which are mounted substantially vertically in a manner such that the lower end of the outer tube (1) is welded and sealed on to a flange (4) which in turn is welded and sealed on to the horizontal upper side of a round box (5), and that the lower end of the inner tube (2) is welded and sealed on to the horizontal lower surface of the round box (5), the annular gap (14) between said outer tube (1) and inner tube (2) being maintained to be of uniform width through out the entire length of said tubes (1, 2) by inserting ribs at required intervals along the length of said tubes at predetermined angular displacement with respect to one another in the lateral planes of the said tubes (1, 2), and the hole of the inner tube (2) being blocked by ramming masses/refractory materials (15) such as MgO matrix made of fused sea-water magnesia sinter, and a pipe (6) connected to the vertical side of the round box (5).

Complete Specification

No of Pages

10

Drawings Sheets

2

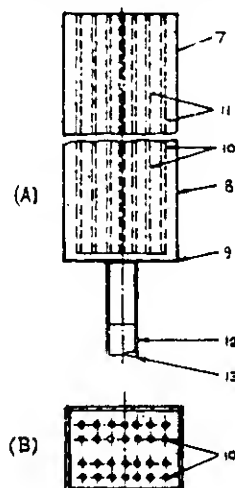


Fig. 1

Indian Classification	:	32 A <sub>2</sub>	191180
International Classification <sup>4</sup>	:	C 09 B 61/00	
Title	:	<b>"A PROCESS FOR THE PREPARATION OF DYE FROM CASSIA TORA SEEDS".</b>	
Applicant	:	DIRECTOR, an Indian National , of <b>Forest Research Institute</b> , P.O. New Forest, Dehra Dun-248 006. (UTTAR PRADESH), INDIA.	
Inventors	:	RAMESHWAR DAYAL-INDIA. PREM CHANDRA DOBHAL-INDIA.	

Application for Patent Number 2107/DEL/1995 filed on 16.11.1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 2003 ) Patent Office, Delhi Branch, New Delhi – 110 005.

(06 Claims)

A process for the preparation of dye from Cassia tora seeds comprising in the step of :

- a) subjecting dried cassia tora seeds to a step of extraction by treatment with polar solvents by adding the cassia tora seeds to said polar solvents at a ratio of 1:2 to 1:7,
- b) removing the extract from the seeds and solvent to obtain a first extract,
- c) subjecting the residue to a second step of extraction with said solvent,
- d) removing the said extract from the seeds to obtain a second extract,
- e) adding the second extract to the first extract to obtain a combined extract,
- f) subjecting the combined extract to a step of concentration to yield the desired dye.

(Complete Specification 09 Pages Drawing NIL Sheet)

Indian Classification : 189 LVI (9) **191181**  
 International Classification : A 61F 13/16  
 Title : "A DISPOSABLE ABSORBENT ARTICLE"  
 Applicant : THE PROCTER & GAMBLE COMPANY, of one Procter & Gamble Plaza, Cincinnati, Ohio 45202, United States of America.  
 Inventors : SANDRA HINTZ CLEAR, KEITH WESLEY ROLLAG – Both U.S. citizens AND HIROSHI NAKAHATA – a Japanese citizen.

Application for Patent Number 1021/DEL/93 filed on 13.9.93.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

(9 Claims)

A disposable absorbent article having a first waist region, a second waist region having a central region and a side panel on each side of said central region, longitudinal edges, and end edges, the absorbent article comprising:

a liquid pervious topsheet;

a liquid impervious backsheet joined to said topsheet;

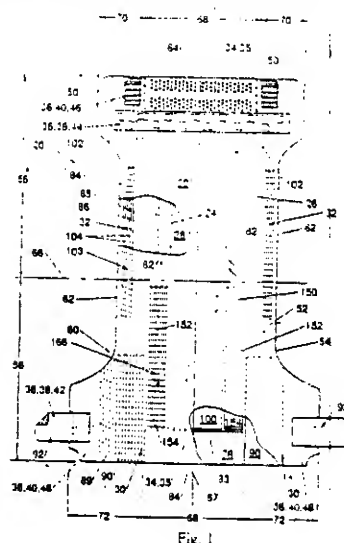
an absorbent core having side edges and disposed between said topsheet and said backsheet;

an elasticized side panel disposed in each side panel of said second waist region, each said elasticized side panel being elastically extensible in the lateral direction, preferably comprising a zero strain stretch laminate; and

wherein

an elasticized hip panel is disposed in said central region of said second waist region, said elasticized hip panel comprising a stretch laminate having a portion of said backsheet and an elastic hip panel member, at least a portion of said elastic hip panel member extending laterally outwardly from each said side edge of said absorbent core, said stretch laminate being mechanically stretched, preferably in the zones wherein said elastic hip panel member extends laterally outwardly from each side edge of said absorbent core or over the entire area of said elastic hip panel member, said elasticized hip panel being capable of elastically expanding beyond the original planar state of the absorbent article in at least the lateral direction.

(Complete Specification Pages – 30 Drawing sheets – 2)



Indian Classification	:-	128 A	191182
International Classification <sup>4</sup>	:-	A 61F 13/16	
Title	:-	"A Web for an absorbent article"	
Applicant	:-	The Procter & Gamble Co., of one Procter & Gamble Plaza, Cincinnati, Ohio 45202, United States of America.	
Inventors	:-	CHAPPELL CHARLES WILBUR -U.S. SORENSEN EUGENE ROBERT -U.S. BUELL KENNETH BARCLAY -U.S. CURRO JOHN JOSEPH -U.S. MANSFIELD MICHELE ANN -U.S.	

Application for Patent Number 979/del/1994 filed on 02/08/1994

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office,  
New Delhi Branch - 110 008.

( Claims 7 )

A web for an absorbent article comprising at least a first region and a second region made of the same material composition such as herein described and each said region having an untensioned projected pathlength, said second region having a plurality of raised rib like elements in order to allow the first region undergoing a molecular-level deformation and second region initially undergoing a geometric deformation when said web is subjected to an applied elongation in a direction parallel to the said axis.

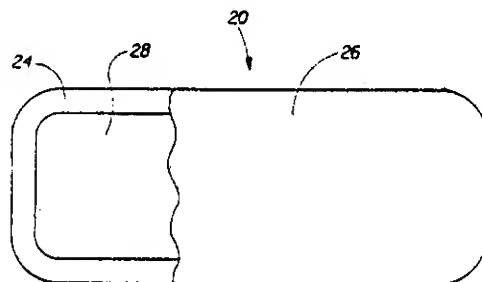


FIG. 1  
( PRIOR ART )

Indian Classification	:-	32F 3(b)	191183
International Classification <sup>4</sup>	:-	C 07C 55/06	
Title	:-	"An improved process for the use of Mohua flowers in the production of oxalic acid"	
Applicant	:-	Council of Scientific and Industrial Research, Rafi Marg, New Delhi 110 001, India.	
Inventors	:-	KODAVANTI MADHUSUDANA RAO - INDIAN YERRAMILLI RAMACHANDRA RAO - INDIAN JALASUTRAM MURALIDHAR - INDIAN KODAVANTI VENKATA KASIPATI RAO - INDIAN	

Application for Patent Number 1196/del/1994 filed on 23/09/1994

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 3 )

An improved process for the use of mohua flowers in the production of Oxalic acid which comprises the said process comprising the steps of: (a) preparing an acid mixture of nitric acid and sulphuric acid and a catalyst (b) oxidizing the Mohua flowers or concentrate extract of Mohua flower by treating it with the acid mixture as prepared in step (a), (c) separating of reaction mixture from residue by conventional methods, (d) crystallizing oxalic acid from the reaction mixture by chilling to a temperature of 0 to -5°C, (e) separating oxalic acid from the acid mixture, (f) washing of oxalic acid with ice cold water at a temperature in the range of 0 to 10°C and (g) drying of wet oxalic acid crystals by controlled heating at a temperature in the range of 60 to 80°C.

Complete Specification	No of Pages	6	Drawings Sheets	Nil
------------------------	-------------	---	-----------------	-----



Indian Classification	: 32 F	191184
International Classification <sup>7</sup>	: C02F 114/24	
Title	: "A METHOD OF PRODUCING AN OPTICAL PHASE RETARDATION FILM."	
Applicant	: ALLIED SIGNAL INC. of 101 Columbia Road, Morristown, New Jersey 07962; UNITED STATES OF AMERICA, a corporation organized under the laws of the States of Delaware, United States of America.	
Inventors	: TERRI ROXANNE CLARK - U.K. THOMAS CHARLES LONG - U.K.	

Application for Patent Number 1400/Del/ 94 filed on 1<sup>st</sup> Nov. 94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

( 5 Claims )

A method of producing an optical phase retardation film comprising charging halogenated monomers or comonomers of the kind such as herein described to a reactor, subjecting said monomers to conventional polymerisation at a pressure of upto 200 psig in the presence of an initiator/catalyst system of the kind such as herein described to produce an optical phase retardation filmforming polymer, and forming said film in any known manner from said polymer and thermally stabilizing it by subjecting it to a temperature of at least 100°C and maintaining a pressure in the range of from 2 to 2000 psi to produce said film.

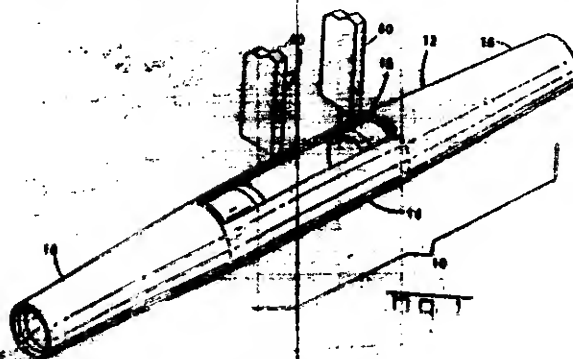
(Complete Specification 16 Pages Drawings Nil Sheets)

Indian Classification	-	64 B-1	191185
International Classification <sup>4</sup>	-	H 01R 4/60	
Title	-	"Mechanical connector for splicing a pair of aligned cables"	
Applicant	-	The Whitaker Corp., of 4550 New Linden Hill Road, Suite 450, Wilmington, Delaware 19808, United States of America.	
Inventors	-	HITESH CHERRY - U.S.A. MICHAEL ANTONIOS KANDROS - U.S.A. DANIEL VINCENT NARDONE - U.S.A.	
Application for Patent Number	1497/del/1994	filed on	23/11/1994

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office,  
New Delhi Branch - 110 008.

( Claims 9 )

A mechanical connector for splicing a pair of aligned cables which comprises: an outer, substantially circular metal shell consisting of a midportion and a pair of tapered, conical end portions, where each said end portion terminates in an opening into which one of said cables is received, a substantially conical configured insert within each said end portion, each insert being provided with an axial bore for receiving one of said cables, each of said inserts being movable axially of said metal shell to securely engage one of said cables, a spacer member within said midportion to initially position said inserts, where said spacer member comprises a pair of pusher members positioned to exert an axial movement on a respective said insert, and an access opening in said metal shell and spacer member for an externally applied tool to effect said axial movement on said inserts in a manner to securely grip the respective said aligned cables by means of a camming action between each conical insert and its respective tapered conical end portion.



Complete Specification

No of Pages

11

Drawings Sheets

5

Indian Classification	:	32 C	191186
International Classification <sup>7</sup>	:	C08F 6/00	
Title	:	"AN IMPROVED PROCESS FOR THE PREPARATION OF PIEZOELECTRIC POLYMER FILMS HAVING HIGHER PIEZOELECTRIC COEFFICIENT."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	RABINDER NATH - INDIAN VIVEK BHARTI - INDIAN TARA KAURA - INDIAN	

Application for Patent Number 1726/Del/94 filed on 30<sup>th</sup> Dec. 94.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

( 4 Claims )

An improved process for the preparation of piezoelectric polymer films having higher piezoelectric coefficient which comprises, cleaning a PVC (polyvinyl chloride) polymer film by organic solvents such as herein described by known methods, boiling the above said cleaned film at temperature 50<sup>0</sup>C in an immiscible organic solvent which is capable of removing the plasticizer and impurities, annealing the boiled film at a temperature in the range of 80-150<sup>0</sup>C for a period in the range of 24-48 hours, cooling to room temperature followed by heating at 60-90<sup>0</sup>C and simultaneous stretching the film 2 to 5 times and also applying electric discharge at the voltage in the range of 8 to 10 kv, grid voltage in the range of 2 to 5 kv for a period in the range of 15 to 45 minutes, vacuum depositing aluminium electrodes on both surfaces of the films, removing the stray charges from the coated film by heating for a period varying from 12-49 hrs. to obtain piezoelectric polymer film.

(Complete Specification 13 Pages Drawings Nil Sheet)

Indian Classification	:	55D <sub>1</sub> .	191187
International Classification <sup>4</sup>	:	A 61 K 35/78.	
Title	:	<b>“A PROCESS FOR PREPARATION OF AN EXTRACT FROM CURRY LEAVES (MURAYA KOENIGI)”.</b>	
Applicant	:	The Chief Controller, Research and Development, Ministry of Defence, Govt. of India, B341, Sena Bhawan, DHQ P.O. New Delhi-110 011, India.	
Inventors	:	FARHATH KHANUM ANILA KUMAR DANDANGATH RAGHVAN SUDARSHAN KRISHNA KADAMBI – RAGHAVAN VISWANATHAN KALLIKADAVIL RAMAN SANTHANAM KRISHNASWAMY-ALL INDIAN	

Application for Patent Number 51/DEL/2000 filed on 24/01/2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Delhi Branch, New Delhi – 110 008.

(06 Claims)

A process for preparation of an extract from curry leaves (Muraya Koenigi) having anti-oxidant and anti-carcinogenic properties against cancer causation particularly by chemical carcinogens comprising in the steps of homogenizing as herein described curry leaves with an organic solvent in a ratio to obtain an extract, drying the extract, fractionating the dried extract with absolute ethyl alcohol at a temperature of 20-30° C followed by vigorous shaking to obtain the said extract having anti-oxidant and anti-carcinogenic properties.

(Complete Specification Pages 06 Drawing NIL Sheet)

Indian Classification	:	55E <sub>4</sub>	191188
International Classification <sup>4</sup>	:	A 61 K 31/00	
Title	:	<b>“PROCESSES FOR THE SYNTHESIS OF NEW AZOLE COMPOUNDS AS THERAPEUTIC AGENTS FOR FUNGAL INFECTIONS”.</b>	
Applicant	:	RANBAXY LABORATORIES LIMITED, a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi-110 019, INDIA.	
Inventors	:	<b>ASHWANI KUMAR VERMA-INDIAN SUDERSHAN K. ARORA-US JASBIR SINGH ARORA-INDIAN ASHOK RATTAN-INDIAN.</b>	

Application for Patent Number 198/DEL/2000 filed on 07/03/2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office  
Delhi Branch, New Delhi – 110 008.

(02 Claims)

A process for the synthesis of new 1,2,4-triazolone compound of Formula IA, as shown in the accompanied drawings, wherein

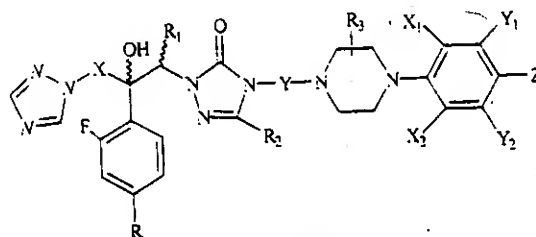
X is CH<sub>2</sub>;

R is F;

R<sub>1</sub> is CH<sub>3</sub>;

Y=C<sub>6</sub>H<sub>4</sub>-;

R<sub>3</sub>=H;



FORMULA IA

R<sub>2</sub> is (1) hydrogen, (2) C<sub>1</sub>-C<sub>4</sub> alkyl group which is unsubstituted or substituted by 1-3 substituents each independently selected from the group consisting of halogen, hydroxy, C<sub>1</sub>-C<sub>4</sub> alkoxy and amino; (3) nitro, (4) amino (5) cyano, (6) carboxyl or protected carboxyl (7) SO<sub>2</sub>R' wherein R' is alkyl or aryl and (8) C<sub>1</sub>-C<sub>4</sub> alkoxy; and

X<sub>1</sub>, X<sub>2</sub>, Y<sub>1</sub>, Y<sub>2</sub> and Z are independently selected from the group consisting of halogen, nitro, cyano, amino, sulphonyl, aryl or substituted aryl, C<sub>1</sub>-C<sub>4</sub> alkyl, C<sub>1</sub>-C<sub>4</sub> alkoxy, carboxyl or protected carboxyl;

following the reaction sequence embodied in Scheme VI, as shown in the accompanied drawings, comprising reacting 1, 3-difluorobenzene of Formula X with racemic ( $\pm$ ) 2-chloropropionyl chloride of Formula XIX to give a compound ( $\pm$ ) 2-chloro-2-methyl-2', 4'-difluoroacetophenone of Formula XX, which is further reacted with the triazol-3-one derivatives of Formula V ( $R_3=H$ ,  $Y=C_6H_4-$ ), as shown in the accompanied drawings, wherein  $R_2$ ,  $X_1$ ,  $X_2$ ,  $Y_1$ ,  $Y_2$  and  $Z$  are the same as defined earlier, in the presence of sodium hydride to afford compound of Formula XXI, wherein  $R_2$ ,  $X_1$ ,  $X_2$ ,  $Y_1$ ,  $Y_2$  and  $Z$  have the same meanings as defined earlier, the compound of Formula XXI is epoxidized with trimethylsulphoxonium iodide (TMSI) in dimethylsulfoxide (DMSO) to give an epoxide derivative of Formula VI ( $X=CH_2$ ,  $R=F$ ,  $R_1=CH_3$ ,  $Y=C_6H_4-$ ,  $R_3=H$ ), which is then condensed with 1,2,4-triazole to give a compound of Formula IA ( $X=CH_2$ ,  $R=F$ ,  $R_1=CH_3$ ,  $Y=C_6H_4-$ ,  $R_3=H$ ), wherein  $R_2$ ,  $X_1$ ,  $Y_1$ ,  $X_2$ ,  $Y_2$  and  $Z$  are the same as defined earlier.

Agent

(Complete Specification Pages 31 Drawing 02 Sheets)

Indian Classification : 32 C. 191189

International Classification<sup>4</sup> : C 12 N 11/00.

Title : "A PROCESS FOR THE SIMULTANEOUS PREPARATION OF ENZYMES ENDO-XYLANASE AND  $\alpha$ -L-ARABINOFURANOSIDASE".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : SUBHABRATA SENGUPTA-INDIAN  
DEBABRATA SENGUPTA-INDIAN  
MOHANLAL JANA-INDIAN  
AMAL KUMAR NASKAR-INDIAN

Application for Patent Number 664/DEL/2000 filed on 18/07/2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Delhi Branch, New Delhi – 110 008.

(04 Claims)

A process for the simultaneous preparation of enzymes endo-xylanase and  $\alpha$ -L-arabinofuranosidase and a novel synergistic formulation comprising said enzymes useful for improved leavening of bakery products, which comprises growing mycelial culture of the edible mushroom *Termitomyces chypeatus* having characteristics such as herein described, in a medium containing assimilable carbon source, nitrogen source and essential organic nutrients as defined herein, at a pH range 3-8, at a temperature range of 20 – 35 °C for 4 – 5 days, separating the culture filtrate from the fermented broth, getting clarified enzymes and the formulation from the broth wherein the endo-xylanase ranges from 150-200 unit and L-arabinofuranosidase ranges from 3-4 units per ml.

(Complete Specification in English)

Indian Classification	:	39 m.	191190
International Classification <sup>4</sup>	:	C 0 1B 25/26.	
Title	:	<b>"A PROCESS FOR THE PREPARATION OF A NEW AND SIMPLE DILUENT FOR CHICKEN SEMEN".</b>	
Applicant	:	<b>DR. JAGMOHAN, DR. RAM PHAL MOUDGAL, DR. RAJVIR SINGH, Central Avian Research Institute, Izatnagar, Bareilly(U.P.),243122.</b>	
Inventors	:	<b>DR. JAGMOHAN DR. RAM PHAL MOUDGAL DR. RAJVIR SINGH-all INDIAN.</b>	

Application for Patent Number 803/DEL/2000 filed on 05.09.2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, Delhi Branch, New Delhi – 110 008.

(02 Claims)

"A process for the preparation of a diluent for chicken semen" comprising (a) dispotassium hydrogen phosphate (  $K_2HPO_4$  ) 1.30gm, Potassium hydrogen phosphate (  $KH_2PO_4$  ) 0.400gm, Sodium glutamate 0.500gm and Fructose (  $C_6H_{12}O_6$  ) 2 to 2.25 gm, (b) said ingredients dissolved in double distilled water to get the final volume 100ml and (c) storing said diluent at  $-1$  to  $0^{\circ}$  C.

(Complete Specification 07 Pages Drawing NIL Sheet)



Indian Classification :- 195 D 191191

International Classification<sup>4</sup> :- F16K, 21/00

Title :- An Improved non-return valve useful for Controlling the Flow of Fluids.

Applicant :- Council of Scientific and Industrial Research, Rafi Marg, New Delhi-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors :- BOLO RAM KALITA -INDIA,  
SUBODH CHANDRA KALITA - INDIA.

Application for Patent Number 427/Del/1995 filed on 14/03/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 02 )

An improved non-return valve useful for controlling the flow of fluids, which comprises a barrel nipple (1) having a blind flange (4) at the top end, characterized in that the said blind flange (4) being provided with a collar (5) having smooth surface so that it can sit properly on seat (6) of an adapter (2) which allows free movement of the barrel nipple encased in it, the said barrel nipple being provided with a plurality of circumferential holes below the blind flange (4) for passage of fluid, a pin (3) being provided at the open bottom end of the said barrel nipple to prevent it from going out of the adapter, the said adapter being provided with external threading at both ends for connecting to a pipe line.

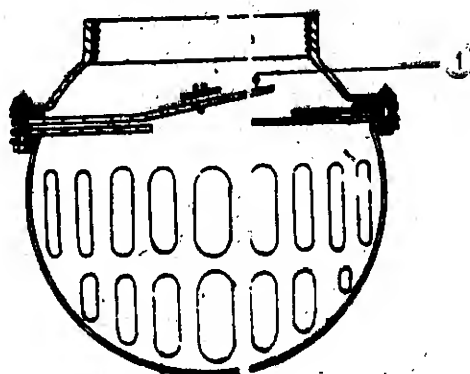


Fig. 1

Complete Specification

No of Pages

04

Drawings Sheets

2

Indian Classification	:-	128 A	191192
International Classification <sup>4</sup>	:-	C 08L 97/00, 97/02, A 61F 13/15	
Title	:-	"A disposable absorbent article having a fluid acquisition and distribution member"	
Applicant	:-	The Procter & Gamble Company, of One Procter & Gamble Plaza, Cincinnati, Ohio 45202, U.S.A.	
Inventors	:-	PAYNE MICHAEL -U.S.	
Application for Patent Number	448/del/1995	filed on	14/03/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 6 )

A disposable absorbent article comprising a fluid acquisition and distribution member, said member having a dry density ranging from 0.03 to 0.20 g/cc and consisting of individualized, C2-C9 polycarboxylic acid crosslinked cellulosic fibers having an amount of a C2-C9 polycarboxylic acid crosslinking agent in the form of an intrafiber ester crosslink bond providing a water retention value of from 25 to 60, distributing on said cellulosic fibres from 0.0005% to .1%, by weight, on a dry fiber basis, of a surface active agent, wherein uncrosslinked cellulosic fibers having from 1% to 15% of said C2-C9 polycarboxylic acid crosslinking agent, by weight, on a citric acid basis, applied on a dry fiber basis, thereon, and from 0.005% to 1% of said surface active agent, by weight, applied on a dry fiber basis, thereon, without washing or bleaching and washing of said crosslinked fibers.

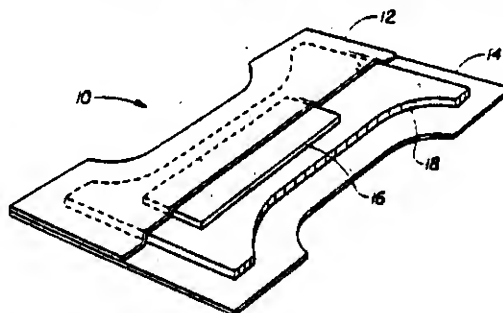


Fig. 1

Complete Specification

No of Pages

39

Drawings Sheets

2

Indian Classification :- 50 E2 191193

International Classification<sup>4</sup> :- A 47C 7/74

Title :- "A System for controlling the temperature climate in a variable temperature occupant seat"

Applicant :- Amerigon Inc., a California corporation with offices at 404 E. Huntington Drive, Monrovia, California 91016, United States of America.

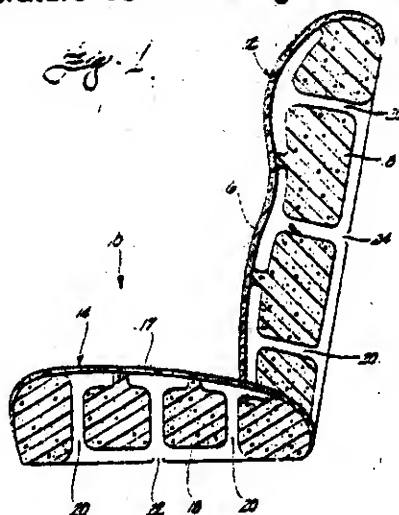
Inventors :- DAVID FORREST GALLUP - U.S.A.  
DAVID ROMAN LOLES - U.S.A.  
RICHARD REID WILLIS - U.S.A.

Application for Patent Number 925/del/1995 filed on 23/05/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 26 )

A system for controlling the temperature climate in a variable temperature occupant seat (10), the system characterized by: internal air channels (20, 46, 48, 146) disposed within the occupant seat for distributing temperature conditioned air through the seat and directing it to an occupant; at least one heat pump for providing (26, 28, 134) temperature conditioned air, each heat pump being connected to the seat by an air conduit; an electrical control device (64) for automatically regulating the operation of each heat pump; and a temperature sensor (54, 58, 143) for monitoring the operation of each heat pump, the temperature sensor being electrically connected to the electrical control device.

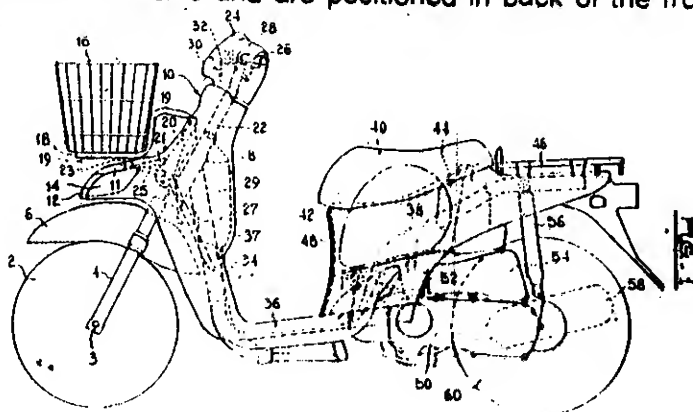


Indian Classification	:-	53 E	191194
International Classification <sup>4</sup>	:-	B 62K 19/30	
Title	:-	"A Front body structure of a Scooter type vehicle"	
Applicant	:-	Honda Giken Kogyo Kabushiki Kaisha, at 1-1 Minamiaoyama 2-chome, Minato-ku, Tokyo, Japan.	
Inventors	:-	TADAO HIRUMA -JAPANESE	
Application for Patent Number	948/del/1995	filed on	25/05/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 2 )

A front body structure of a scooter type vehicle comprising a front wheel 2, a body frame 20 mounting at the front end, a head pipe 8 for rotatably supporting a steering shaft 22 of said front wheel 2, and a body cover 10 mounted on said body frame 20 side for covering the upper side of said front wheel 2 and the surroundings of said head pipe 8 under a handle 26, wherein lighting means 12 are provided on the front surface of said body cover 10, characterized in that: a front fender 6 for covering the upper side of said front wheel 2 is provided separately from said body cover 10 at a portion between said body cover 10 and said front wheel 2, and said front fender 6 is mounted to/supported on the front fork 4 towards the sides of said front wheel 2, and the leading end side of an extension portion of said body cover 10 extending forwardly is provided with said lighting means 12 adjacent to the upper side of said front fender 6 and are positioned in back of the front end of said front wheel 2.



Complete Specification

No of Pages

15

Drawings Sheets

6

Indian Classification :- 129 J 191195

International Classification<sup>4</sup> :- B 22 D 7/06

Title :- "A Process for the Manufacturing Precision Tubes and Sections Using Hot Rolled Bars/Flats"

Applicant :- Krishna Kumar Surekha and Birag Surekha, of B-52, Friends Colony West, New Delhi - 110065, India.

Inventors :- KRISHNA KUMAR SUREKHA - INDIA  
BIRAG SUREKHA - INDIA

Application for Patent Number 884/del/1995 filed on 15/05/1995

COMPLETE LEFT AFTER PROVISIONAL SPECIFICATION FILED ON-02/07/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, New Delhi Branch - 110 008.

(Claims 02)

A process for the manufacture of precision tubes and sections using hot rolled bars/flats which process comprises steps of:

- a) cleaning the hot rolled bars/flats by passing through an acid bath for 5 to 30 minutes followed by cleaning and brushing in water bath to remove scales,
- b) removal of creases on the surface of said bars/flats by passing the cleaned bars/flats through a mill providing surface uniformity of the bar,
- c) subjecting bars to known precision tube or section making process wherein said bars/flats are subjected to galvanization prior to following step (c) for obtaining galvanized precision tubes and sections.

(Provisional Specification No of pages 05 Drawings Sheets NIL)  
(Complete Specification No of Pages 07 Drawings Sheets NIL)

Indian Classification	:	32 C	191196
International Classification <sup>4</sup>	:	C 0 8F 118/00	
Title	:	<b>“PROCESS FOR RECOVERING POLYHYDROXYALKANOATES”.</b>	
Applicant	:	THE PROCTER & GAMBLE COMPANY, a corporation organized and existing under the laws of the State of Ohio, United States of America, of one Procter & Gamble Plaza, Cincinnati, Ohio 45202, U.S.A.	
Inventors	:	<b>ISAO NODA-JAPAN</b>	

Application for Patent Number 985/DEL/95 filed on 29/05/1995.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Delhi Branch, New Delhi – 110 008.

(10 Claims)

A process for recovering polyhydroxyalkanoate from a biological source material selected from plant and bacterial materials as hereindescribed having the polyhydroxyalkanoate, comprising:

- (a) comminuting the said biological source material by effecting the fine grinding of the said biological source material into fine and coarse fraction wherein outer components of the biological source material are at least 10 micron in diameter;
- (b) air classifying the said fractions from step(a) to produce fine fraction and coarse fraction and removing the fine fraction from the said fractions;
- (c) again air classifying the first fine fraction after comminuting to ultra fine grinding to produce a second fine fraction and second coarse fraction and removing the second coarse fraction;
- (d) recovery of polyhydroxyalkanoate by washing of the second coarse fraction with water or an aqueous alcoholic solution as herein described.

(Complete Specification Pages 17 Drawing 1 Sheet)

Indian Classification 50 D 191197

International Classification<sup>4</sup> E 21 F 3/00. 3/00.

Title "AN AIR COOLER"

Applicant VIRENDER DEV TREHAN and ANJU TREHAN, of E-45, South Extension, Part I, New Delhi-110049, India.

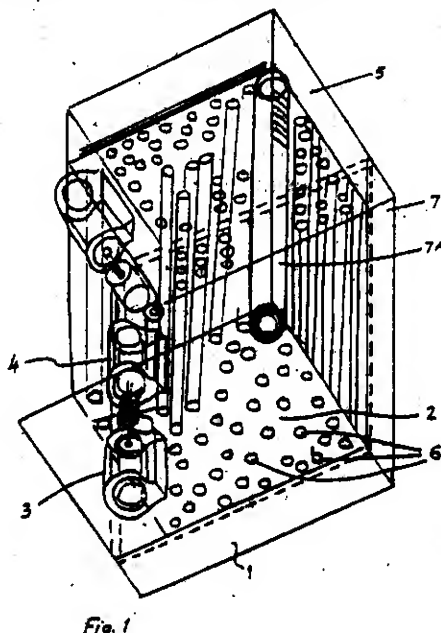
Inventors VIRENDER DEV TREHAN - INDIA.  
ANJU TREHAN - INDIA.

Application for Patent Number 1174/del/1995 filed on 23/06/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi Branch - 110 008.

( Claims 04 )

An air cooler comprising a water storage tank (1); a cooling chamber (2) supported on base tray over the top of the said water storage tank and disposed within the body of air cooler, characterized in a first blower (3) being provided at one side of said cooling chamber to draw air from the room to the receiver air chamber (5) provided in front side of the cooling chamber, causing air to flow upwards from the bottom side thereof; a second blower (4) disposed at the back side of the cooler to draw fresh air from outside to the distribution air chamber (5) so that air passes through a plurality of high conducting metallic tubes (6) of the said cooling chamber, which are held within side plates (8) at either ends thereof, which causes air to flow from one side to the other side, which is conveyed to the room through cooler grills; water spray pipes (9) having spray nozzles (10) provided over the said metallic tubes to spray water from top side; a humidity control chamber (7) having air flow control means as herein described being provided at the top of the said cooling chamber for conveying wet/humid air to the environment and/or to the room.







Indian Classification	:	32 F <sub>3</sub> C	191199
International Classification <sup>7</sup>	:	C07C 051/44, C07C 053/08	
Title	:	"A METHOD FOR PURIFYING CRUDE ACETIC ACID."	
Applicant	:	DAICEL CHEMICAL INDUSTRIES, LTD., of 1, Teppo-chom, Sakai-shi, Osaka, JAPAN.	
Inventors	:	SATOSHI KIMURA - JAPAN TAKASHI UENO - JAPAN YOSHIAKI MORIMOTO - JAPAN	

Application for Patent Number 1412/Del/95 filed on 27<sup>th</sup> July 1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

( 3 Claims )

A method for purifying a crude acetic acid product mixture, which comprises the steps of:  
purifying a crude acetic acid product mixture containing at least one impurity selected from the group consisting of unsaturated compounds and carbonyl compounds, wherein at least one impurity essentially consist of crotonaldehyde, ethyl-crotonaldehyde and 2-methyl-2-pentenal, in a first distillation column operated at least at atmospheric pressure and then purifying the mixture in a second distillation column having at least 30 plates and operated at a pressure ranging from 40 to 760 mm Hg and a reflux ratio of at least four, wherein overhead vapour from the first column is used as the heat source for a reboiler of the second column and the pressure of the second column is less than the pressure of the first column to obtain the purified acetic acid from said second distillation column.

(Complete Specification 25 Pages Drawings 2 Sheets)

Indian Classification	:	170 A.	
International Classification <sup>4</sup>	:	C 11 D 1/00; C11 D 3/00; C11 D 223/00; CO 9K 3/00.	191200
Title	:	<b>"MULTIPLE SUBSTITUTED BLEACH ACTIVATORS".</b>	
Applicant	:	<b>NORTH CAROLINA STATE UNIVERSITY</b> , a constituent institution of The University of North Carolina organized and existing under Chapter 116 of the General Statutes of the State of North Carolina, United States of America, Located at a Holladay Hall, Raleigh, North Carolina 27695-7003, United States of America.	
Inventors	:	<b>EUGENE PAUL GOSSELINK-US GREGORY SCOT MIRACLE-US LUCILLE FLORENCE TAYLOR-US SIVIK MARK ROBERT-US ALAN DAVID WILLEY-US MICHAEL EUGENE BURNS-US KEVIN LEE KOTT- US</b>	

Application for Patent Number 1511/DEL/95 filed on 14/08/1995

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 )  
Patent Office Delhi Branch, New Delhi – 110 008.

(12 Claims)

A bleaching composition comprising:

- (a) .05 to 25% of a source of hydrogen peroxide; and
- (b) .01 to 10% of a multiple-substituted bleach activator wherein said multiple-substituted bleach activator having the empirical formula  $Q_q L_r C(X)_s$ ; Q is a moiety which comprises q tetravalent nitrogen atoms, wherein q is from 1 to 4; r leaving-groups, L, wherein each LH, the conjugate acid of L, is neutral or anionically charged and wherein L are the same or different, r is from 1 to 12, and each L comprises at least one tricoordinate nitrogen atom; s moieties  $-C(X)-$ , wherein  $s \geq r$ , and wherein X is selected from the group consisting of =O, =N- and =S; provided that when q is 1,  $r > 1$ ; a tricoordinate nitrogen atom of each L covalently connects L to a moiety  $-C(X)-$  forming a group  $LC(X)-$ ; the conjugate acid aqueous  $pK_a$  of at least one L with respect to its  $-C(X)-$  connected tricoordinate nitrogen atom is 13 or greater; each tetravalent nitrogen atom is separated from its nearest proximate  $LC(X)-$  group by a linkage of at least two carbon atoms; and further provided that said multiple-substituted bleach activator has a ratio of:
  - (i)  $k_p/k_H \geq 1$ , preferably  $k_p/k_H \geq 2$ , more preferably  $k_p/k_H \geq 5$ , wherein  $k_p$  is the rate constant for perhydrolysis of said bleach activator,  $k_H$  is the rate constant for hydrolysis of said bleach activator; and has a ratio of
  - (ii)  $k_p/k_D \geq 5$ ,  $k_p/k_D \geq 50$ , wherein  $k_p$  is as defined in (i) and wherein  $k_D$  is the rate constant for formation of a diacylperoxide from said bleach activator; and further provided that  $k_H \leq 10M^{-1} s^{-1}$ .

(C) balance being the conventional detergent components such as herein described.

(Complete Specification Pages 60 Drawing NIL Sheet)

Indian Classification	:	32 FC	191201
International Classification <sup>7</sup>	:	C07C 39/04	
Title	:	"A PROCESS FOR THE PRODUCTION OF PHENOL HAVING A REDUCED LEVEL OF METHYL BENZOFORAN."	
Applicant	:	SUNOCO, INC. (R&M), an American corporation of 1801 Market Street, Philadelphia, Pennsylvania 19103, United States of America.	
Inventors	:	THEODORE JOHN JENCZEWSKI – U.S.A. LAMBERTO CRESCENTINI – U.S.A. JAMES ALPHONSE KWEEDER – U.S.A	

Application for Patent Number 792/Del/ 95 filed on 28<sup>th</sup> April 95.  
Convention date 6.6.1994/ 08/254,729/ U.S.A

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003 ) Patent Office Branch, New Delhi – 110 008,

**( 4 Claims )**

A process for the production of phenol having a reduced level of methylbenzofuran, the process comprising the steps of :

treating the phenol of the kind such as herein described in a conventional manner to reduce the level of acetol to an amount not exceeding 260 ppm;  
contacting the phenol so produced with an aromatic sulfonic acid resin or a solid super acid catalyst compound at a temperature in the range of from 70<sup>0</sup>C to 120<sup>0</sup>C at a rate of from 1 to 10 bed volumes per hour to reduce the level of methylbenzofuran by conversion to higher boiling compounds; then  
distilling the phenol so produced to separate the phenol from the higher boiling compounds.

(Complete Specification 9 Pages ; Drawings Nil Sheets)

Indian Classification	-	9 F, 108 C2, 12 D	191202
International Classification <sup>4</sup>	-	C 21 C 5/00, F 23 H 13/00	
Title	-	" A Process for Manufacturing durable Grate Bars "	
Applicant	-	Steel Authority of India Limited, Research & Development Centre for Iron & Steel, of Ispat Bhawan, Lodi Road, New Delhi-110003, India	
Inventors	-	DAMODAR RAI - INDIA TULSI DAS CHATTERJEE - INDIA. SHREE RAM MEDIRATTA - INDIA.	

Application for Patent Number 40/del/1996 filed on 08/01/1996

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office, New Delhi  
Branch - 110 008.

( Claims 08 )

A process for manufacturing durable grate bars, comprising the following steps in sequence: (a) preparing molten steel of selected compositions, such as herein described, in an electrical arc furnace; (b) preheating the molten steel in the furnace itself to an elevated temperature; (c) tapping the molten steel in preheated, clean and coated bottom-pouring ladles having a stopper and a nozzle of diameter 40 mm at the bottom thereof; (d) argon-purging the molten steel in the ladles; (e) casting the molten steel in moulds; (f) fettling the casts for removing the gates and risers therefrom; (g) cleaning the casts by removing the sands fused therein; (h) heating the casts by charging the same in a furnace; and (i) cooling the casts in air, characterised in that (i) the composition of the molten steel is (by weight %): C-0.10 to 1.00, Mn - 30 to 1.20, Si - 0.80 to 2.50, S - 0.10 (Max.), P - 0.10 (Max.), Cr - 20 to 30, Ni - 0.50 to 4.00 and Fe - the balance; (ii) the molten steel at step (b) is preheated in the furnace to an elevated temperature of 1660 to 1670°C; (iii) the molten steel at step (d) is argon purged in the ladles at a tapping temperature of 1660°C; (iv) the molten steel at step (c) is cast in moulds made of silica sand and binder, of composition (by weight %): bentonite - 5 to 6, water - 3 to 4 and silica sand - the balance, the moulds being coated with alcohol-based zircon wash; (v) the casts at step (h) are heated to a temperature of 790 + - 10°C by charging the casts in a furnace at an initial temperature of 350°C, and raising the temperature of the furnace to 790 + - 10°C at the rate of 70°C per hour; and (vi) the casts at step (h) are soaked in the furnace at 790 + - 10°C.

Complete Specification	No of Pages	14	Drawings Sheets	02
------------------------	-------------	----	-----------------	----

Indian Classification	:	55E4.	191203
International Classification <sup>4</sup>	:	A 61 K 31/00	
Title	:	<b>"A PROCESS FOR PREPARATION OF PHARMACEUTICAL COMPOSITION OF PACLITAXOL ENTRAPPED INTO A POLYMERIC MICELLES NANOPARTICLES".</b>	
Applicant	:	<b>PROF. AMARNATH MAITRA, AND SANJEEV KUMAR SAHOO</b> of Chemistry Department, Delhi University, Delhi-110 007, <b>DR. PRASANTA KUMAR GHOSH</b> of Block C 2B, Flat 5A, Janakpuri, New Delhi-110 058 & Dabur Research Foundation, an Institute of 22 Site IV Sahibabad, Gaziabad 201 010, Uttar Pradesh, India.	
Inventors	:	<b>AMARNATH MAITRA SANJEEV KUMAR SAHOO PRASANTA KUMAR GHOSH- ALL INDIAN</b>	

Application for Patent Number 263/DEL/99 filed on 17/02/1999.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Delhi Branch, New Delhi – 110 008.

(15 Claims)

A process for the preparation of pharmaceutical formulation of paclitaxol entrapped into polymeric micelles nanoparticles for the treatment of cancer comprising:

- dissolving amphiphilic monomer(s) as herein described or a combination of amphiphilic monomers, as herein described, in an aqueous medium to obtain micelles,
- adding aqueous solutions of cross-linking agent, activator depending upon the monomer used and initiator, as herein described, into the said micelles,
- subjecting the said mixture to polymerization in presence of an inert gas at 30 to 40° C till the polymerization of micelles is complete, wherein
- the paclitaxol is entrapped in the said polymerized micelles to the extent of maximum solubilization by adding alcoholic solution of paclitaxol,
- purifying the said polymerized micelles containing the entrapped paclitaxol from toxic monomers and other unreacted materials by dialysis, and if desired,
- lyophilizing the polymerized micelles containing entrapped paclitaxol to get dry powder.

Indian Classification	:	39E.	191204
International Classification <sup>4</sup>	:	B22D- 13/00; 164/113.	
Title	:	<b>"A PROCESS FOR THE PREPARATION OF TITANIUM MATRIX COMPOSITE".</b>	
Applicant	:	The Chief Controller, Research & Development, Ministry of Defence Government of India, Technical Coordination Dte., B-341, Sena Bhawan, DHQ P.Q., New Delhi-110 011.	
Inventors	:	<b>SARASWATI RANGANATH-INDIA.</b>	

Application for Patent Number 701/DEL/95 filed on 18.04.95

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office, Delhi Branch, New Delhi – 110 008.

(09 Claims )

A process for the preparation of titanium matrix composites which comprises coating blocks of titanium matrix composites with yttria powder suspended in low boiling organic solvent such as herein described, encasing the coated blocks in sheet of titanium, the encased blocks being thereafter soaked at 1020 to 1250 degree K for 30 minutes to 120 minutes and rolled at the same temperature, to obtain the titanium matrix composites.

(Complete Specification 07 Pages Drawing NIL Sheet)

Indian Classification : 55 E 191205

International Classification<sup>7</sup> : A 61 K 35/78, A 61 K 31/715

Title : "A PROCESS FOR THE ISOLATION OF PECTIC POLYSACCHARIDE FROM THE PLANT SPECIES *FERONIA LIMONIA* POSSESSING ANTITUMOR ACTIVITY."

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg,  
New Delhi-110001, India (An Indian  
Registered Body, Incorporated under  
Registration of Societies Act)

Inventors : YASMIN SAIMA  
ASIT KUMAR DAS  
PRATIMA SUR  
ASHIS KUMAR SEN  
ALL INDIAN

Application for Patent Number 3505/del/ 97 filed on 8.12.97

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi – 110 005.  
(08 Claims)

A process for the isolation of a pectic polysaccharide from the plant species *Feronia limonia* possessing antitumor activity, which comprises (a) percolating alcohol through fruit pulp at a temperature in the range of 22-40 deg.C for a period in the range of 12 to 48 hrs. (b) defatting the fruit pulp using mixture of alcohol and chlorinated solvent in the range of 1:1 to 1: 5 v/v for a period in the range of 12-48 hrs (c) extracting the defatted material with distilled water for a period in the range of 12-72 hrs at a temperature in the range of 22-40 deg. C. (d) concentrating the aqueous extract by method as herein described, (e) treating the extract with cationic complexing agent such as herein described for complete precipitation, (f) precipitated complex is collected and decomposed by using aqueous solution of alkali metal halides selected from NaCl, KCl in the concentration range of 2% to 5% to get acidic polysaccharide fraction. (g) concentrating the fraction by known methods as herein described (h) repeating the steps (e) and (f), (i) dialysing the above fraction for removal of ionic solutes by methods as herein described (j) precipitating the above fraction 2 to 5 times with organic solvents selected from ethanol, methanol, (k) concentrating the above precipitated fraction under reduced pressure in the range of 10 to 25 mm of hg at a temperature range of 22 to 40°C to obtain pectic polysaccharide

(COMPLETE SPECIFICATION 12 SHEETS DRAWING SHEETS - NIL -)

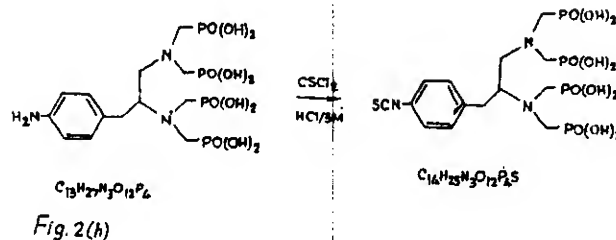
Indian Classification	:	55E <sub>4</sub>	191206
International Classification <sup>4</sup>	:	A 61 K 31/00.	
Title	:	"A process for the preparation of Iso-thiocyanato-benzyl-ethylene-diamine -tetra-phosphonic acid".	
Applicant	:	The Chief Controller, Research and Development, Ministry of Defence, Govt. of India, B341, Sena Bhawan, DHQ P.O. New Delhi-110 011, India.	
Inventors	:	ANIL KUMAR MISHRA PUSHPA MISHRA KRISHNA CHUTTANI RAVI KASHYAP VINEY JAIN-ALL INDIAN.	

Application for Patent Number 2983/DEL/98 filed on 09/10/1998.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003.)  
Patent Office Delhi Branch, New Delhi - 110 008.

(20 Claims)

A process for preparation of Iso-Thiocyanato Benzyl Ethylene Diamine Tetraphosphonic Acid (ITC-Bz-EDTPA) comprising adding 10-15% by weight of nitric acid to a solution of phenylalanine at a temperature of 8-5°C under vigorous stirring and neutralizing said solution with ammonium hydroxide so as to obtain p-nitrophenylalanine, suspending 06 to .065% by weight p-nitrophenylalanine into methanol and bubbling HCl gas therethrough till dissolution of said p-nitrophenylalanine, keeping said solution at 0°C for 2-4 hours to get methyl ester, dissolving said methyl ester in dry methanol and treating the same with NH<sub>3</sub> at -8 to -12°C and leaving the same at this temperature for 40-45 hours to obtain nitro-benzyl-oxo-diethylene diamine, taking said nitro-benzyl-oxo-diethylene diamine in dry Tetra-hydrofuran and treating the same with diborane under nitrogen atmosphere at 0°C with stirring, refluxing the same followed by cooling in the manner as herein described so as to obtain the paste of Nitro benzyl Diethylene Diamine, dissolving said paste in water and bromoacetic acid solution in water at 50 to 70°C, neutralizing the mixture followed by lyophilizing, drying and purification to get nitrobenzyl ethylene diamine tetra acetic acid, converting said acid into nitrobenzyl ethylene diamine tetra phosphoric acid, reducing NO<sub>2</sub> group of said acid by palladium/carbon in basic media to form amino benzyl ethylene diamine tetra phosphonic acid and then treating the same with thiophosgene to form Isothiocyanato Benzyl Ethylene Diamine Tetra phosphonic acid.





Indian Classification : 128A. 191207

International Classification<sup>4</sup> : A 61 F 13/15; A 61 F 13/20; H01J 37/00.

Title : "AN ABSORBENT ARTICLE".

Applicant : THE PROCTER & GAMBEL COMPANY,  
a corporation organized and existing under the laws  
of the State of Ohio, United States of America, of  
One Procter & Gamble Plaza, Cincinnati, Ohio  
45202, United States of America.

Inventors : LAURA GRAVES SPALDING VAN RIJSWIJCK-US  
GRETCHEN LOUISE ELDER-US  
MAURICIO ROLANDO ODIO-COSTARICCA  
SUSAN BALDWIN-US  
MICHELLE DENISE ROSEMAN-US  
KEVIN EUGENE GRANDISON-US.

Application for Patent Number 2695/DEL/98 filed on 10/09/1998.

Convention date: 08/926532; 10/09/1997; USA

Appropriate office for opposition proceedings (Rule 4; Patents Rules 2003 ) Patent Office  
Delhi Branch, New Delhi – 110 005.

(08 Claims)

An absorbent article comprising:

- (a) a topsheet;
- (b) a backsheet; and
- (c) an absorbent core positioned between the topsheet and the backsheet; characterized in that at least a portion of the topsheet is adapted to contain a skin care composition which is solid or semi-solid in nature at 20°C comprising:

(i) from 5 to 95% of an emollient selected from the group consisting of petroleum-based emollients, fatty acid ester emollients, alkyl ethoxylate emollients, fatty acid ester ethoxylates emollients, fatty alcohol emollients, polysiloxane emollients, and mixtures thereof; and

(ii) from 5 to 95% of an immobilizing agent capable of immobilizing the emollient on the article, the immobilizing agent being selected from the group consisting of polyhydroxy fatty acid esters, polyhydroxy fatty acid amides, C<sub>14</sub>-C<sub>22</sub> fatty alcohols, C<sub>12</sub>-C<sub>22</sub> fatty acids, C<sub>12</sub>-C<sub>22</sub> fatty alcohol ethoxylates, waxes, and mixtures thereof; and

(iii) a viscosity increasing agent selected from the group consisting of alkyl galactomannan, silica, talc, magnesium silicate, sorbital, colloidal silicone dioxide, magnesium aluminum silicate, zinc stearate, sesquioleate, cetyl hydroxy ethyl cellulose and other modified celluloses, and mixtures thereof.

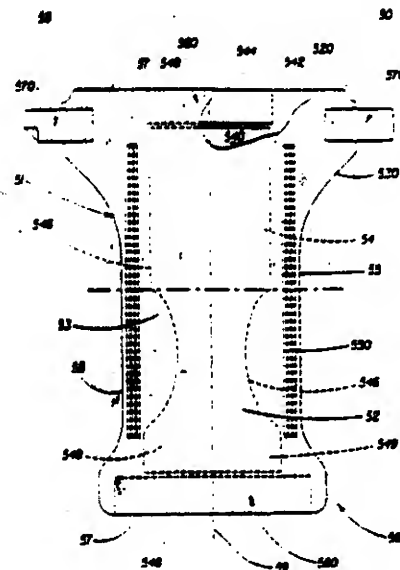


FIG. 1

(Complete Specification 54 Pages Drawing 03 Sheets)

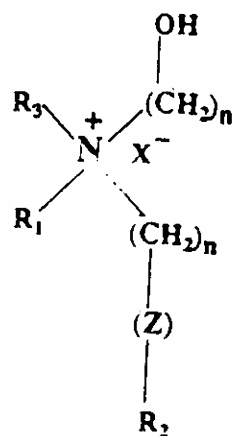
Indian Classification	: 55 E	191208
International Classification <sup>7</sup>	: A 61 K 48/00 , C 12 N 15/00	
Title	: "A PROCESS FOR THE PREPARATION OF NOVEL N-HYDROXYALKYL CONTAINING CATIONIC AMPHIPHILES USEFUL FOR INTRACELLULAR DELIVERY OF BIOLOGICALLY ACTIVE MOLECULES"	
Applicant	: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India (An Indian Registered Body, Incorporated under Registration of Societies Act)	
Inventors	: GOLLAPIDI VENKATA SRILAKSHMI RAJKUMAR BANERJEE NALAM MADHUSUDANA RAO ARBINDA CHAUDHURI ALL INDIAN	

Application for Patent Number 3325/Del/98 filed on 09.11.98.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 005.

(8 Claims)

A process for the preparation of novel N-hydroxyalkyl group containing cationic amphiphile that can facilitate intracellular delivery of biologically active molecules, the said amphiphiles having Structure I given below



(I)

wherein:

n is an integer between 1 and 3, Z an ester group (-O-CO-) and  $R_1$  and  $R_2$  independently, represent a long-chain saturated or unsaturated alkyl group (from  $C_7$  to  $C_{19}$ ),  $R_3$  can be either a small alkyl group ( $C_1$  to  $C_3$ ) and X is either a halogen atom or a tosylate group.

the said process comprising:

(a) reacting by coupling reaction an acid chloride preferably N-Hexanoyl chloride with a tertiary amine preferably N-methyldiethanolamine containing the N,N-dihydroxyalkyl group, at a temperature ranging  $-10^{\circ}\text{C}$  to  $50^{\circ}\text{C}$  in a polar aprotic solvent, to obtain the hydrochloride salt of the corresponding di-O-acylated product,

(b) neutralizing the resulting hydrochloride salt obtained in step (a) with an alkali in presence of a biphasic solvent such as herein described, and

(c) quaternizing by reacting the resulting tertiary amine obtained in step (b) with the hydroxy-alkyl halide preferably 2-bromoethanol to obtain the desired cationic amphiphile of structure I.

(COMPLETE SPECIFICATION 26 SHEETS

DRAWING SHEETS -

Indian Classification	:	55E4.	191209
International Classification <sup>4</sup>	:	A 61 K 31/00, G 01 N 33/50.	
Title	:	<b>“A PROCESS FOR THE PREPARATION OF A NOVEL BIOMARKER SPECIFIC FOR O-ACETYLATED SIALIC ACID USEFUL FOR THE DIAGNOSIS, MONITORING OUTCOME OF TREATMENT AND PREDICTION OF RELAPSE”.</b>	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	<b>CHITRA MANDAL SANTANU PAL MITALI CHATTERJEE -ALL INDIAN</b>	

Application for Patent Number 1192/DEL/99 filed on 08/09/99.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Delhi Branch, New Delhi – 110 008.

(08 Claims)

A process for preparation of a novel protein biomarker specific for O-acetylated sialic acid useful for the diagnosis, monitoring outcome of treatment and prediction of relapse which comprises, (i) separating serum from blood collected from patients of acute lymphoblastic leukemia by known methods, removing low molecular weight fractions and galactose binding proteins ( non-specific protein ) from the serum by column chromatography on affinity matrix, (ii) collecting unbound fraction from affinity matrix (iii) passing the galactose free protein fraction obtained in step (i) over another affinity matrix to capture O-acetyl sialic acid specific protein fraction (iv) eluting specific protein fraction with a buffer at alkaline pH in the range of 8.0 -11.0, immediately neutralizing the fraction (v) passing O-acetyl sialic acid specific protein obtained in step (iv) over Protein G- agarose or protein A agarose or protein A Sepharose or protein G Sepharose or anti - human immunoglobulin or only IgG / IgM coupled to Sepharose or agarose column to get O-acetyl sialic acid specific protein immunoglobulin and eluted with a buffer at acidic pH in the range of 2.0-6.5 immediately neutralizing the fraction and dialyzing to get novel biomarker.

(Complete Specification Pages 16 Drawing NIL Sheet)

Indian Classification : 55 E, 32 F (2) (a) 191210

International Classification<sup>7</sup> : A 61 K 31/00, A 61 K 31/133, A 61 P 9/00, A 61 P 9/12

Title : "AN IMPROVED PROCESS OF PREPARATION OF PROPANOLAMINES AS THERAPEUTIC AGENTS".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110001, India (An Indian Registered Body, Incorporated under Registration of Societies Act)

Inventors : AHMED KAMAL  
MADDAMSETTY VENKATESWARA RAO  
BOTH INDIAN

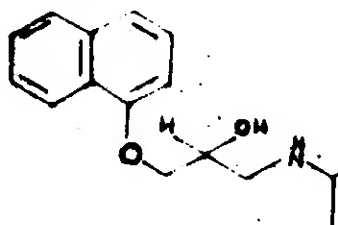
Kind of Application : COMPLETE

Application for Patent Number 3829/Del/98 filed on 24.12.98.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi - 110 008.

(05 Claims)

An improved process for the preparation for the stereo selective synthesis of propanolamines useful as therapeutic agent and having general formula



1. RACEMIC (R,S)-PROPRANOLOL

wherein R is phenyl, naphthyl or substituted aryl, the said process comprises reacting an 1-substituted 2,3-epoxypropane as described herein, with 2-propylamine in presence of lipozyme enzyme in an organic solvent, at a temperature ranging 20-50°C, for a period in the range of 2 to 5 days, recovering and purifying the product by conventional manner as described herein.

(COMPLETE SPECIFICATION 09 SHEETS DRAWING SHEETS - 02 -)

## OPPOSITION PROCEEDINGS (SEC. 25)

The Patent Application No. 188291 (527/BOM/1996) titled "A Lead acid Battery" made By M/s. Tudor India Ltd., Mumbai is refused under Section 25 of the Act.

An opposition has been entered by M/s. S. Majumdar & Co., Kolkata on behalf of Hindustan Lever Limited, Mumbai (Maharashtra) to the grant of a Patent on application No. 189376 (269/Del/94) dated 07.03.1994 made by Colgate Palmolive Company U.S.A.

## RENEWAL FEES PAID.

187209 197124 186615 186664 184656 175907 186191 171181 181784 184506 188275 188300 188924  
 185054 1785054 178502 186928 171811 183592 188385 181735 187272 188925 182587 186927 184031  
 176107 187582 171540 181786 184841 188457 188297 187114 170489 181734 187150 173597 180949  
 179283 182731 183802 187285 176367 183598 184540 183592 183805 172850 183488 186925 182117  
 188295 185633 171325 181787 188273 173598 185242 182965 182965 182392 183716 173516 188292  
 183155 184624 183163 182968 173461 183489 187122 186210 188279 170611 171326 182391 188314  
 174395 187198 186661 186574 188078 186620 188301 187194 182012 180949 181728 175478 183591  
 188296 186660 186811 170592 172913 182812 188274 184625 184842 188288 186198 176105 182783  
 186955 180037 176390 188843 176933 183717 185796 179504 184535 170991 172482 183038 185088  
 178566 188925 187433 184623 184659 188080 185635 179244 183098 186575 176962 183718 18121  
 188288 188085 172882 176391 183092 188280 186376 184626 186913 184660 185081 188284 185245  
 176957 181475 173951 181683 184040 186654 188293 176367 182948 176903 184538 171122 182398  
 188847 184850 185082 186665 185243 176956 176908 170999 181732 184502 186376 188302 188917  
 184537 176963 186181 171321 182967 185067

## PATENT SEALED ON 05-09-2003

188877 188879 188880 188881 188882 188883 188884 188885 188887 188889 188890 188891 188892  
 188893 188894 188895 188896 188897 188898 188899 188900

KOL—NIL ; CHEN—NIL; DEL—21; MUM—NIL.

## PATENT SEALED ON 29-08-2003 (DELHI)

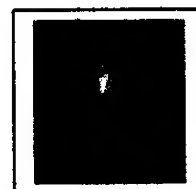
188953 188967 188974 188976 188979 189034 189035 189036 189041 189042 189049 189057 189059  
 189060 189061 189062 189063 189069 189121 189124 189125 189128 189170 189308

**REGISTRATION OF DESIGNS**

The following designs have been registered. They are open for public inspection from the date of registration. (Colour combination if any, is not shown in the representation)

The dates shown in the following each entry is the date of registration.

**Class 09-07** No.190957. M/s. Raj Plastic Works of 24-Devdatta Society, Rajaram Tawde Road, Dahisar (W), Mumbai-400068. "SEALING CAP" 9<sup>th</sup> January 2003.



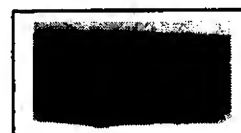
**Class 09-07** No.190956. M/s. Raj Plastic Works of 24-Devdatta Society, Rajaram Tawde Road, Dahisar (W), Mumbai-400068. "SEALING CAP" 9<sup>th</sup> January 2003.



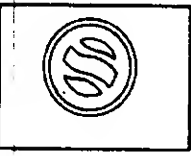
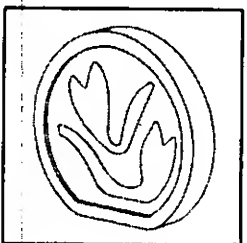



**Class 08-06** No.191600. Vardhman Valley (India) Pvt. Ltd. A-10, Louis Palace, Shankar Lane, Malad (W), Mumbai-400064, Maharashtra, India. "DOOR CATCHER" 20<sup>th</sup> March 2003.



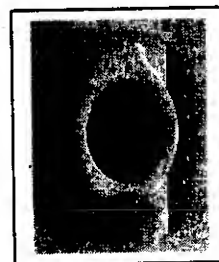
**Class 09-04** No.191574. NILKAMAL CRATES AND BINS OF 77/78 NILKAMAL HOUSE, ROAD NO.13/14, M.I.-D.C., ANDHERI EAST, MUMBAI-400093, MAHARASHTRA, INDIA, INDIAN PARTNERSHIP COMPANY "CRATE" 19<sup>th</sup> March 2003



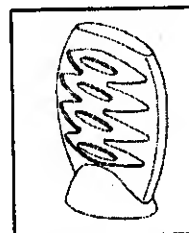
Class	08-06	No.191599. . Vardhman Valley (India) Pvt. Ltd. A-10, Louis Palace, Shankar Lane, Malad (W), Mumbai-400064, Maharashtra, India. "HANDLE" 20 <sup>th</sup> March 2003.	
Class	23-04	No.191184. Reckitt Benckiser (UK) Ltd. Of 103-105, Bath Road, Slough, Berkshire, SL1 3UH, United Kingdom. "AIR FRESHNER DEVICE" 31 July 2002 (Reciprocity, U.K.)	
Class	23-04	No.191183. Reckitt Benckiser (UK) Ltd. Of 103-105, Bath Road, Slough, Berkshire, SL1 3UH, United Kingdom. "AIR FRESHNER DEVICE" 31 July 2002 (Reciprocity, U.K.)	
Class	23-04	No.191549. Reckitt Benckiser (UK) Ltd. Of 103-105, Bath Road, Slough, Berkshire, SL1 3UH, United Kingdom. "AIR FRESHNER DEVICE" 31 July 2002 (Reciprocity, U.K.)	
Class	23-04	No.191550. Reckitt Benckiser (UK) Ltd. Of 103-105, Bath Road, Slough, Berkshire, SL1 3UH, United Kingdom. "AIR FRESHNER DEVICE" 31 July 2002 (Reciprocity, U.K.)	



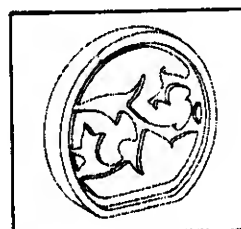
**Class 14-03** No.191713. Siemens Aktiengesellschaft, of Wittels Bacherplatz 2, 80333, Munich, Germany. "MOBILE PHONE" 02.10.2002 (Reciprocity, Germany).



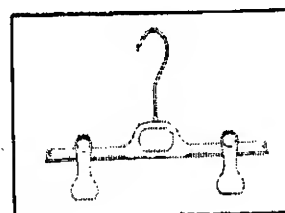
**Class 23-04** No.191551. Reckitt Benckiser (UK) Ltd. Of 103-105, Bath Road, Slough, Berkshire, SL1 3UH, United Kingdom. "AIR FRESHNER DEVICE" 16 Sept.2002 (Reciprocity, U.K.)



**Class 23-04** No.191552. Reckitt Benckiser (UK) Ltd. Of 103-105, Bath Road, Slough, Berkshire, SL1 3UH, United Kingdom. "AIR FRESHNER DEVICE" 16 Sept.2002 (Reciprocity, U.K.)





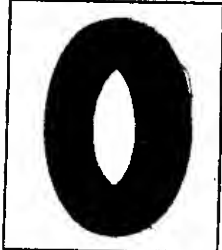


**Class 06-08** No.191927. MAINETTI (UK) LIMITED, A COMPANY INCORPORATED IN SCOTLAND, OF ANNFIELD ESTATE, OXNAM ROAD, JEDBURGH, ROXBURGHSHIRE, SCOT- LAND TD8 6NN, UK. 25 October 2002 (Reciprocity, U.K.)

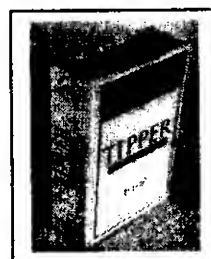


**Class 06-06** No.191970. Mr. Raghav Kashyap, A-65, Rajouri Garden, New Delhi-110027, India. "DECORATIVE CARVING" 28<sup>th</sup> April 2003



Class	14-03	No.191711. Siemens Aktiengesellschaft, of Wittels Bacherplatz 2, 80333, Munich, Germany. "MOBILE PHONE" 02.10.2002 (Reciprocity, Germany).	
Class	14-03	No.191712. Siemens Aktiengesellschaft, of Wittels Bacherplatz 2, 80333, Munich, Germany. "MOBILE PHONE" 02.10.2002 (Reciprocity, Germany).	
Class	14-03	No.191714. Siemens Aktiengesellschaft, of Wittels Bacherplatz 2, 80333, Munich, Germany. "MOBILE PHONE" 02.10.2002 (Reciprocity, Germany).	
Class	12-15	No.191694. MRF LIMITED, AN INDIAN COMPANY, 124 GREAMS ROAD, CHENNAI:-600 006, TAMIL NADU, INDIA. "PRECURED TREAD RUBBER" 31 <sup>st</sup> March 2003	
Class	12-15	No.191232. MRF LIMITED, AN INDIAN COMPANY, 124 GREAMS ROAD, CHENNAI:-600 006, TAMIL NADU, INDIA. "AUTOMOBILE TYRE" 11 <sup>th</sup> February 2003	

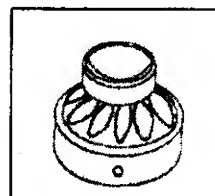
- Class 05-05** No.188411. MR. SANJAY MOTWANI, PROPRIETOR, M/S. NOBILLIS FABRICS D'ART, THE NOBLE HOUSE, 24 HAUDIN ROAD, BANGALORE, KARNATAKA STATE, PIN-560 042, INDIAN. "FABRIC/CLOTH" 13<sup>th</sup> March 2002
- Class 09-03** No.192129. GODFREY PHILLIPS INDIA LIMITED, AN INDIAN COMPANY, OF 49, COMMUNITY CENTRE, NEW FRIENDS COLONY, NEW DELHI:- 110 065, INDIA. "CIGARETTE PACKET" 20<sup>th</sup> May 2003
- Class 10-04** No.190897. HONDA GIKEN KOGYO KABUSHIKI KAISHA, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN. "METER FOR TWO -WHEELED" 11<sup>th</sup> July 2002 (Reciprocity, Japan).
- Class 26-06** No.190895. HONDA GIKEN KOGYO KABUSHIKI KAISHA, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN. "HEAD LIGHT FOR TWO -WHEELED MOTOR VEHICLES" 11<sup>th</sup> July 2002 (Reciprocity, Japan).
- Class 05-05** No.190896. RITIKA LIMITED, AN INDIAN COMPANY, 138, BELIAGHATA ROAD, KOLKATA: -700 015, W.B., INDIA. "TEXTILE FABRIC" 9<sup>th</sup> April 2003



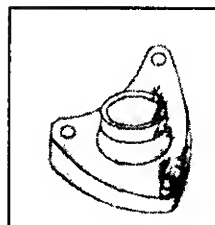
**Class 12-11** No.190896. HONDA GIKEN KOGYO KABUSHIKI KAISHA, OF 1-1, MINAMI-AOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN. "MOTOR SCOOTER" 11<sup>th</sup> July 2002 (Reciprocity, Japan).



**Class 08-06** No.191601. Vardhman Valley (India) Pvt. Ltd. A-10, Louis Palace, Shankar Lane, Malad (W), Mumbai-400064, Maharashtra, India. "DOOR CATCHER" 20<sup>th</sup> March 2003.



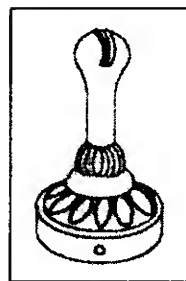
**Class 08-06** No.191602. Vardhman Valley (India) Pvt. Ltd. A-10, Louis Palace, Shankar Lane, Malad (W), Mumbai-400064, Maharashtra, India. "DOOR CATCHER" 20<sup>th</sup> March 2003.



**Class 99-00** No.190596. M/S. COAL INSPECTION SERVICES, COAL FIELD AGENTS:ESKAPE INDIA (P) LTD., DHANSAR, DHANBAD,BIHAR, INDIA, AN INDIAN NATIONAL. "TRAFFIC REGULATING HUMPS" 29<sup>th</sup> December 2002



**Class 08-06** No.191603. Vardhman Valley (India) Pvt. Ltd. A-10, Louis Palace, Shankar Lane, Malad (W), Mumbai-400064, Maharashtra, India. "DOOR CATCHER" 20<sup>th</sup> March 2003.



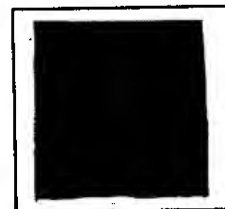
Class 01-11

No.191163. BRITANNIA INDUSTRIES LIMITED,  
AN INDIAN COMPANY HAVING ITS  
REGISTERED OFFICE AT 5/1A, HUNGERFORD  
STREET, KOLKATA:-700 017, WEST BENGAL,  
INDIA. "BISCUIT" 30<sup>th</sup> January 2003



Class 05-05

No.191804. RITIKA LIMITED, AN INDIAN  
COMPANY, 138, BELIAGHATA ROAD, KOL-  
KATA: -700 015, W.B., INDIA. "TEXTILE FABRIC"  
9<sup>th</sup> April 2003



Dr. S. N. MAITY

Controller General of Patents, Designs &amp; Trademarks